Peter A Lawrence

List of Publications by Year in Descending Order

99 papers	7,340 citations	44 h-index	85 g-index
122 ext. papers	7,825 ext. citations	23.9 avg, IF	5.86 L-index

#	Paper	IF	Citations
99	An exciting period of Drosophila developmental biology: Of imaginal discs, clones, compartments, parasegments and homeotic genes".. *Developmental Biology*, **2022**, 484, 12-12	3.1	0
98	Planar cell polarity in the larval epidermis of and the role of microtubules. *Open Biology*, **2020**, 10, 200290	7	3
97	A refutation to 'A new A-P compartment boundary and organizer in holometabolous insect wings'. *Scientific Reports*, **2019**, 9, 7049	4.9	3
96	Planar cell polarity: two genetic systems use one mechanism to read gradients. *Development (Cambridge)*, **2018**, 145,	6.6	9
95	Planar cell polarity: the gene acts independently on both the Ds/Ft and the Stan/Fz systems. *Development (Cambridge)*, **2018**, 145,	6.6	8
94	11. Organogenèse **2017**, 446-519		
93	2. Mise en place du plan d'organisation de la drosophile **2017**, 37-102		
92	The Last 50 Years: Mismeasurement and Mismanagement Are Impeding Scientific Research. *Current Topics in Developmental Biology*, **2016**, 116, 617-31	5.3	7
91	Planar cell polarity: the Dachsous/Fat system contributes differently to the embryonic and larval stages of Drosophila. *Biology Open*, **2016**, 5, 397-408	2.2	6
90	Francis Crick: A Singular Approach to Scientific Discovery. *Cell*, **2016**, 167, 1436-1439	56.2	1
89	Regions within a single epidermal cell of Drosophila can be planar polarised independently. *ELife*, **2015**, 4,	8.9	10
88	Plasticity of both planar cell polarity and cell identity during the development of Drosophila. *ELife*, **2014**, 3, e01569	8.9	7
87	The mechanisms of planar cell polarity, growth and the Hippo pathway: some known unknowns. *Developmental Biology*, **2013**, 377, 1-8	3.1	41
86	Dissecting the molecular bridges that mediate the function of Frizzled in planar cell polarity. *Development (Cambridge)*, **2012**, 139, 3665-74	6.6	54
85	Substrate-borne vibratory communication during courtship in Drosophila melanogaster. *Current Biology*, **2012**, 22, 2180-5	6.3	57
84	The muscle pattern of the Drosophila abdomen depends on a subdivision of the anterior compartment of each segment. *Development (Cambridge)*, **2012**, 139, 75-83	6.6	9
83	Planar cell polarity: fashioning solutions. *Fly*, **2011**, 5, 126-8	1.3	3

82	Mechanosensilla in the adult abdomen of Drosophila: engrailed and slit help to corral the peripheral sensory axons into segmental bundles. *Development (Cambridge)*, **2010**, 137, 2885-94	6.6	1
81	Planar cell polarity: the orientation of larval denticles in Drosophila appears to depend on gradients of Dachsous and Fat. *Development (Cambridge)*, **2010**, 137, 3411-5	6.6	38
80	Four-jointed modulates growth and planar polarity by reducing the affinity of dachsous for fat. *Current Biology*, **2010**, 20, 803-10	6.3	121
79	Real lives and white lies in the funding of scientific research: the granting system turns young scientists into bureaucrats and then betrays them. *PLoS Biology*, **2009**, 7, e1000197	9.7	11
78	Retiring retirement. *Nature*, **2008**, 453, 588-90	50.4	5
77	Do the protocadherins Fat and Dachsous link up to determine both planar cell polarity and the dimensions of organs?. *Nature Cell Biology*, **2008**, 10, 1379-82	23.4	63
76	Planar cell polarity: A bridge too far?. *Current Biology*, **2008**, 18, R959-61	6.3	16
75	The abdomen of Drosophila: does planar cell polarity orient the neurons of mechanosensory bristles?. *Neural Development*, **2008**, 3, 12	3.9	9
74	Planar cell polarity: one or two pathways?. *Nature Reviews Genetics*, **2007**, 8, 555-63	30.1	196
73	The mismeasurement of science. *Current Biology*, **2007**, 17, R583-5	6.3	122
72	Mosaic and regulative development: two faces of one coin. *Current Biology*, **2006**, 16, R236-9	6.3	36
71	Men, women, and ghosts in science. *PLoS Biology*, **2006**, 4, e19	9.7	29
70	Two separate molecular systems, Dachsous/Fat and Starry night/Frizzled, act independently to confer planar cell polarity. *Development (Cambridge)*, **2006**, 133, 4561-72	6.6	181
69	Let's encourage gentler, more reflective scientists. *Nature*, **2006**, 442, 510	50.4	
68	Biography of Crick aims to inspire a wider audience. *Nature*, **2006**, 444, 1002-1002	50.4	
67	A Wigglesworth classic: how cells make patterns. *Journal of Experimental Biology*, **2004**, 207, 192-3	3	
66	Cell interactions and planar polarity in the abdominal epidermis of Drosophila. *Development (Cambridge)*, **2004**, 131, 4651-64	6.6	139
65	Last hideout of the unknown?. *Nature*, **2004**, 429, 247	50.4	12

64	Theoretical embryology: a route to extinction?. *Current Biology*, **2004**, 14, R7-8	6.3	4
63	Q & A. *Current Biology*, **2003**, 13, R82	6.3	
62	Dual origin of the renal tubules in Drosophila: mesodermal cells integrate and polarize to establish secretory function. *Current Biology*, **2003**, 13, 1052-7	6.3	86
61	The politics of publication. *Nature*, **2003**, 422, 259-61	50.4	255
60	Developmental compartments and planar polarity in Drosophila. *Current Biology*, **2002**, 12, 1189-98	6.3	126
59	Rank injustice. *Nature*, **2002**, 415, 835-6	50.4	56
58	Towards a model of the organisation of planar polarity and pattern in theDrosophilaabdomen. *Development (Cambridge)*, **2002**, 129, 2749-2760	6.6	88
57	Towards a model of the organisation of planar polarity and pattern in the Drosophila abdomen. *Development (Cambridge)*, **2002**, 129, 2749-60	6.6	52
56	Science or alchemy?. *Nature Reviews Genetics*, **2001**, 2, 139-42	30.1	10
55	Morphogens: how big is the big picture?. *Nature Cell Biology*, **2001**, 3, E151-4	23.4	41
54	Wingless signalling: more about the Wingless morphogen. *Current Biology*, **2001**, 11, R638-9	6.3	8
53	How does the fushi tarazu gene activate engrailed in the Drosophila embryo?. *Genesis*, **1998**, 23, 28-34		8
52	A man for our season. *Nature*, **1997**, 386, 757-8	50.4	8
51	Morphogens, compartments, and pattern: lessons from drosophila?. *Cell*, **1996**, 85, 951-61	56.2	497
50	Regulation of cell number in Drosophila. *Nature*, **1994**, 370, 561-3	50.4	28
49	Homeobox genes: their function in Drosophila segmentation and pattern formation. *Cell*, **1994**, 78, 181-9	56.2	257
48	Drosophila segmentation: after the first three hours. *Development (Cambridge)*, **1993**, 119, 971-976	6.6	12
47	Control of Drosophila body pattern by the hunchback morphogen gradient. *Cell*, **1992**, 69, 237-249	56.2	429

46	Induction across germ layers in Drosophila mediated by a genetic cascade. *Cell*, **1990**, 62, 261-8	56.2	309
45	Distribution of the wingless gene product in Drosophila embryos: a protein involved in cell-cell communication. *Cell*, **1989**, 59, 739-49	56.2	415
44	Differential regulation of Ultrabithorax in two germ layers of Drosophila. *Cell*, **1988**, 53, 567-76	56.2	111
43	The present status of the parasegment. *Development (Cambridge)*, **1988**, 104, 61-65	6.6	24
42	Borders of parasegments in Drosophila embryos are delimited by the fushi tarazu and even-skipped genes. *Nature*, **1987**, 328, 440-2	50.4	212
41	Phenocopies induced with antisense RNA identify the wingless gene. *Cell*, **1987**, 50, 659-63	56.2	206
40	The muscle pattern of a segment of Drosophila may be determined by neurons and not by contributing myoblasts. *Cell*, **1986**, 45, 505-13	56.2	146
39	Observations on cell lineage of internal organs of Drosophila. *Development (Cambridge)*, **1986**, 91, 251-266	6.6	2
38	Parasegments and compartments in the Drosophila embryo. *Nature*, **1985**, 313, 639-42	50.4	448
37	Expression of engrailed in the parasegment of Drosophila. *Nature*, **1985**, 317, 634-636	50.4	70
36	Notes on the genetics of pattern formation in the internal organs of Drosophila. *Trends in Neurosciences*, **1985**, 8, 267-269	13.3	7
35	Problems and paradigms: Homoeotic selector genes a working definition. *BioEssays*, **1984**, 1, 227-229	4.1	5
34	The genetic specification of pattern in a Drosophila muscle. *Cell*, **1984**, 36, 775-82	56.2	68
33	Different requirements for homeotic genes in the soma and germ line of Drosophila. *Cell*, **1983**, 35, 27-34	56.2	58
32	The elements of the bithorax complex. *Cell*, **1983**, 35, 595-601	56.2	76
31	The phenotype of engrailed mutations in the antenna of Drosophila. *Developmental Biology*, **1983**, 99, 27-33	3.1	20
30	Cell lineage of the thoracic muscles of Drosophila. *Cell*, **1982**, 29, 493-503	56.2	100
29	Permeability of gap junctions at the segmental border in insect epidermis. *Cell*, **1982**, 28, 243-52	56.2	138

28	Myoblasts from Drosophila wing disks can contribute to developing muscles throughout the fly. *Nature*, **1982**, 295, 55-57	50.4	52
27	Clonal analysis of two wing-scalloping mutants of Drosophila. *Developmental Biology*, **1981**, 84, 206-11	3.1	27
26	Sensory projections from normal and homoeotically transformed antennae in Drosophila. *Developmental Biology*, **1981**, 82, 224-37	3.1	37
25	Regeneration of segment boundaries in oncopeltus: cell lineage. *Developmental Biology*, **1981**, 85, 328-33	3.1	21
24	The cellular basis of segmentation in insect. *Cell*, **1981**, 26, 3-10	56.2	121
23	Regeneration of the segment boundary in Oncopeltus. *Developmental Biology*, **1981**, 85, 317-27	3.1	59
22	Compartments in Animal Development. *Scientific American*, **1979**, 241, 102-111	0.5	70
21	Early development of the thoracic discs ofDrosophila. *Wilhelm Rouxs Archives of Developmental Biology*, **1979**, 187, 375-379		8
20	Development of the eye-antenna imaginal disc of Drosophila. *Developmental Biology*, **1979**, 70, 355-71	3.1	116
19	Cell lineage in the developing retina of Drosophila. *Developmental Biology*, **1979**, 71, 142-52	3.1	147
18	Neural projection patterns from homeotic tissue of Drosophila studied in bithorax mutants and mosaics. *Developmental Biology*, **1979**, 69, 549-75	3.1	109
17	CELL LINEAGE IN INSECT DEVELOPMENT **1979**, 167-170		
16	Anterior and posterior compartments in the head of Drosophila. *Nature*, **1978**, 274, 473-4	50.4	56
15	Compartmentalization and growth of the Drosophila abdomen. *Development (Cambridge)*, **1978**, 43, 233-245	0.5	0
14	The development of wingless, a homeotic mutation of Drosophila. *Developmental Biology*, **1977**, 56, 227-40	3.1	168
13	The early development of mesothoracic compartments in Drosophila. An analysis of cell lineage and fate mapping and an assessment of methods. *Developmental Biology*, **1977**, 56, 40-51	3.1	153
12	Homoeotic genes, compartments and cell determination in Drosophila. *Nature*, **1977**, 265, 211-6	50.4	120
11	Compartments in the Development of Drosophila: a Progress Report **1977**, 89-95		

10	The Cell Cycle and Cellular Differentiation in Insects. *Results and Problems in Cell Differentiation*, **1975**, 111-121	1.4	7
9	The structure and properties of a compartment border: the intersegmental boundary in Oncopeltus. *Novartis Foundation Symposium*, **1975**, 3-23		10
8	Cell movement during pattern regulation in Oncopeltus. *Nature*, **1974**, 248, 609-10	50.4	26
7	Maintenance of boundaries between developing organs in insects. *Nature: New Biology*, **1973**, 242, 31-2		18
6	Polarity and Patterns in the Postembryonic Development of Insects. *Advances in Insect Physiology*, **1970**, 7, 197-266	2.5	85
5	Some new mutants of the Large Milkweed Bug Oncopeltus fasciatus Dall. *Genetical Research*, **1970**, 15, 347-350	1.1	29
4	Cellular differentiation and pattern formation during metamorphosis of the milkweed bug Oncopeltus. *Developmental Biology*, **1969**, 19, 12-40	3.1	58
3	The Hormonal Control of the Development of Hairs and Bristles in the Milkweed Bug, ONCOPELTUS FASCIATUS, DALL. *Journal of Experimental Biology*, **1966**, 44, 507-522	3	27
2	Gradients in the Insect Segment: The Orientation of Hairs in the Milkweed Bug Oncopeltus Fasciatus. *Journal of Experimental Biology*, **1966**, 44, 607-620	3	143
1	Cell Lineage and Cell States in the Drosophila Embryo. *Novartis Foundation Symposium*,131-155		